Appl. No: 10/522,004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re Patent Application of Rice, et al. Application No.: 10/522,004

Filed: January 14, 2005

: RECEPTOR-TYPE MODULATORS AND

METHODS OF USE

Confirmation No.: 5083

Attorney Docket No.: EX03-054C-US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450

P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.56, this Information Disclosure Statement is being submitted for the above-referenced application.

Applicant notes that Citation Nos. 1 and 2 of the Information Disclosure Statement in the attached PTO Form 1449 was first cited in the International Search Report (copy attached) from the International Searching Authority in the counterpart PCT application.

In accordance with §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined by 37 CFR §1.56 exists.

In accordance with §1.97(h), the disclosure contained herein is not intended to constitute an admission that any patent, publication, or other information referred to is "prior art" or "analogous art" for this invention.

It is believed that no fees are required, as the disclosure is submitted prior to the first office action on the merits. However, if this belief is in error, the Commissioner is authorized to charge any required fees to deposit account no. 50-1108.

Respectfully submitted,

Dated: March 21, 2005

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PTO/SB/08a (08-03) rough 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 10/522.004 Application Number Filing Date 1-14-2005 First Named Inventor Rice Art Unit Examiner Name EX03-054C-US Attorney Docket Number

(Use as many sheets as necessary) of 2 Sheet Īί

U.S. PATENT DOCUMENTS Name of Patentee or Applicant of Document Number Publication Date MM-DD-YYYY Pages, Columns, Lines, Where Relevant Cite No. Examiner Cited Docum Initials * Passages or Relevant Number - Kind Code² (if known) Figures Appear 02-06-2001 Thomas et al US-6184225 US-5962458 10-05-1999 I ohmann et al 2 US-20020049197 Himmelsbach, et al 3 US-US-US-US-US-US US-US-US-US-US-US US-US-US-US-

		FOREIGN PA	TENT DOCU	MENTS		
F	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Examiner Initials*		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	4	WO03082831	10-09- 2003	Bradbury et al.		

Examiner Date	
Examiner Signature /Jeffrey Murray/ Considered	03/24/2008

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Substitute for form 1449B/PTO				Complete if Known		
			01.001105	Application Number	10/522,004	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	1-14-2005	
				First Named Inventor	Rice	
				Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	EX03-054C-US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	5	Bonasera et al Potential 18F-labeled biomarkers for epidermal growth factor receptor tyrosine kinase. Nuclear Medicine and Biology (2001), 28(4), 359-374.	
	6	Christensen JG et al. Proc Amer Assoc Cancer Res [94 th annual Meeting Amer Assoc Cancer Res- AACR (July 11-14, Washington, DC) 2003] 2003, 44: Abstract 4963	
	7	MAulik G. et al Proc Amer Assoc Cancer Res [94th annual Meeting Amer Assoc Cancer Res- AACR (July 11-14, Washington, DC) 2003] 2003, 44: Abstract 6200	
	8.	Sattler et al. Proc Amer Assoc Cancer Res [94th annual Meeting Amer Assoc Cancer Res- AACR (July 11-14, Washington, DC) 2003] 2003, 44: Abstract 1005	

Signature	/Jenrey Murray/	Considered	03/24/2008
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Date

Examiner

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

The Chemical Abstracts Registry (CAS®) database was queried to identify structures that are identical or related to the structures recited in the claims of the above-referenced patent application. The following patent publications were identified:

EP0875506, PFIZER LTD, 1998-11-04

EP0880508, ZENECA LTD, 1998-12-02

EP0912570, GLAXO GROUP LTD, 1999-05-06

EP0973746, AMERICAN CYANAMID CO, 2000-01-26

EP0977737, JANSSEN PHARMACEUTICA NV, 2000-02-09

EP1304110, GLAXO GROUP LTD, 2003-04-23

EP1340748, NIPPON SHINYAKU CO LTD., 2003-09-03

EP1044969, PFIZER PROD INC, 2000-10-18

EP1117653, ASTRAZENECA AB, 2001-07-25

EP1243582, KIRIN BREWERY, 2002-09-25

US5650415, SUGEN INC, 1997-07-22

US5770599, ZENECA LTD, 1998-06-23

US6103728, SUGEN INC, 2000-08-15

US6288082, AMERICAN CYANAMID CO, 2001-09-11

US6344459, WARNER LAMBERT CO, 2002-02-05

US6476031, SCIOS INC, 2002-11-05

US6521618, AMERICAN HOME PROD, 2002-02-28

US6521629, PFIZER INC, 2003-02-18

US6525046, BOEHRINGER INGELHEIM PHARMA, 2003-02-25

US6552027, PARKER HUGHES INST, 2002-10-31

US6562818, WARNER LAMBERT CO, 2003-05-13

US6593333, ASTRAZENECA AB, 2003-07-15

US6602836, UNILEVER HOME & PERSONAL CARE, 2003-04-17

US6608048, AMERICAN HOME PROD, 2003-04-03

US6608071, Novartis AG, 2003-08-19

Appl. No: 10/522.004 Docket No: EX03-054C-U US6627634, BOEHRINGER INGELHEIM PHARMA KG, 2003-09-3 US6630489, ASTRAZENECA AB, 2003-10-07 US6642242, PFIZER INC, 2003-11-04 US6649620, PFIZER INC, 2003-11-18 US6653305, BOEHRINGER INGELHEIM PHARMA KG, 2003-11-25 US6656946, BOEHRINGER INGELHEIM PHARMA KG, 2003-12-02 US6673803, ZENECA LIMITED, 2004-01-06 US6723726, SMITHKLINE BEECHAM CORPORATION, 2004-04-20 US6727256, SMITHKLINE BEECHAM CORPORATION, 2004-04-27 US6740651, BOEHRINGER INGELHEIM PHARMA KG, 2004-05-25 US2002032208, ZENECA LTD, 2002-03-14 US2002137757, PARKER HUGHES INST, 2002-09-26 US2002161010, CHAKRAVARTY et al, 2002-10-31 US2002161226, PARKER HUGHES INST, 2002-10-31 US2002165243, PARKER HUGHES INST, 2002-11-07 US2002169180, HIMMELSBACH et al, 2002-11-14 US2002177601, HIMMELSBACH et al. 2002-11-28 US2002169165, KATH et al, 2002-11-14 US2002173509, HIMMELSBACH et al, 2002-11-21 US2003018029, BARKER et al, 2003-01-23 US2003013728, PARKER HUGHES INST, 2003-01-16 US2003045525, COLLIS et al, 2003-03-06 US2003045537, LEE et al, 2003-03-06 US2003065180, AMERICAN HOME PROD, 2003-04-03 US2003069230, BECKER et al, 2003-04-10 US2003069248, CHAKRAVARTY et al., 2003-04-10 US2003100573, WANG et al, 2003-05-29 US2003100753, PFIZER, 2003-05-29 US2003149056, AMERICAN CYANAMID CO, 2003-08-07 US2003149062, BOEHRINGER INGELHEIM PHARMA, 2003-08-07 US2003171386, PFIZER, 2003-09-11 US2003176451, CARTER et al, 2003-09-18 US5747498, PFIZER, 1998-05-05 US6071921, ZENECA LTD, 2000-06-06 US6126917, HADASIT MED RES SERVICE, 2000-10-03 US6235746, CELLTECH THERAPEUTICS LTD, 2001-05-22 US6238951, COMMISSARIAT ENERGIE ATOMIQUE, 2001-05-29 US2000625820, NORTH SHORE LONG ISLAND JEWISH, 2002-08-13

US6337335, CELLTECH THERAPEUTICS LTD, 2002-01-08 US6344455, WARNER LAMBERT CO, 2002-02-05

US6358962, HUGHES INST, 2001-08-23

US6294532, ZENECA LTD, 2001-09-25

US6362336, ZENECA LTD, 2002-03-14

US6391874, SMITHKLINE BEECHAM CORP, 2002-05-21

Appl. No: 10/522,004 Docket No: EX03-054C-U US6403580, BOEHRINGER INGELHEIM PHARMA, 2002-06-11 US6414148, ZENECA LTD, 2002-07-02 US6469013, PARKER HUGHES INST, 2002-04-11 US6476031, SCIOS INC, 2002-11-05 US6476040, PFIZER, 2002-11-05 US6495556, PARKER HUGHES INST, 2001-11-22

US6514971, ZENECA LTD, 2003-02-04

US6759410, SMITHLINE BEECHAM CORP. 2004-07-06

WO0021955, ZENECA LTD, 2000-04-20

WO0047212, ASTRAZENECA UK LTD, 2000-08-17

WO0056338, PARKER HUGHES INST, 2000-09-28

WO0020402, ZENECA LTD, 2000-04-13

WO0018761, AMERICAN CYANAMID CO, 2000-04-06

WO0068201, ASTRAZENECA AB, 2000-11-16

WO0147890, KIRIN BREWERY, 2001-07-05

WO0168186, AMERICAN CYANAMID CO, 2001-09-20

WO0194341, ASTRAZENECA AB, 2001-12-13

WO0200649, ASTRAZENECA AB, 2002-01-03

WO0216352, ASTRAZENECA AB, 2002-02-28

WO0230924, ASTRAZENECA AB, 2002-04-18 WO0230926, ASTRAZENECA AB, 2002-04-18

WO0234744, ASTRAZENECA AB, 2002-05-02

WO0055141, BOEHRINGER INGELHEIM PHARMA, 2000-09-21

WO0121596, ASTRAZENECA AB, 2001-03-29

WO02085895, ASTRAZENECA AB, 2002-10-31

WO02092577, ASTRAZENECA AB, 2002-11-21 WO02092578, ASTRAZENECA AB, 2002-11-21

WO02092579, ASTRAZENECA AB, 2002-11-21

WO02092571, ASTRAZENECA AB, 2002-11-21 WO02088110, KIRIN BREWERY, 2002-11-07

WO0200188, COGNIS FRANCE SA, 2002-01-03

WO03000660, KIRIN BREWERY, 2003-01-03

WO03037252, MERCK & CO INC, 2003-05-08

WO03040109, ASTRAZENECA AB, 2003-05-15

WO03045395, ASTRAZENECA AB, 2003-06-05

WO03047584, ASTRAZENECA AB, 2003-06-12

WO03048159, ASTRAZENECA AB, 2003-06-12

WO03050108, PFIZER PROD INC, 2003-06-19

WO03053960, ASTRAZENECA AB, 2003-07-03

WO03055491, ASTRAZENECA AB, 2003-07-10

WO03055492, ASTRAZENECA AB, 2003-07-10

WO03055866, BAYER AG, 2003-07-10

WO03064413, ASTRAZENECA R & D SODERTALJE, 2003-08-07

WO03064421, GLAXO GROUP LTD, 2003-08-07

Appl. No: 10/522,004 Docket No: EX03-054C-U

WO03064431, GLAXO GROUP LTD, 2003-08-07

WO03066060, BOEHRINGER INGELHEIM PHARMA, 2003-08-14

WO04035572, KIRIN BEER KABUSHIKI KAISHA. 2004-04-29

WO04054585, PFIZER PRODUCTS INC., 2004-07-01

WO04055003, NEUROGEN CORPORATION, 2004-07-01

WO04058267, ARIAD PHARMACEUTICALS, INC., 2004-07-15

WO9609294, WELLCOME FOUND, 1996-03-28

WO9615118, ZENECA LTD, 1996-05-23

WO9703069, GLAXO GROUP LTD, 1997-01-30

WO0043366, KIRIN BREWERY, 2000-07-27

WO0218351, BOEHRINGER INGELHEIM PHARMA, 2002-03-07

WO0236570, ASTRAZENECA AB, 2002-05-10

WO0244166, ASTRAZENECA AB, 2002-06-06

WO03055491, ASTRAZENECA AB, 2003-07-10

WO03089439, BOEHRINGER INGELHEIM PHARMA, 2003-10-30

WO04041829, ASTRAZENECA AB, 2004-05-21

WO9703069, GLAXO GROUP LTD, 1997-01-30

WO9722596, ZENECA LTD, 1997-06-26

WO9730035, ZENECA LTD, 1997-08-21

WO9732856, ZENECA LTD, 1997-09-12 WO9813354, ZENECA LTD, 1998-04-02

WO9910349, ZENECA LTD, 1998-04-02

WO9813350, ZENECA LTD, 1998-04-02

The above-references have <u>not</u> been reviewed to assess whether they are material to the patentability of the claimed invention; nor have they been reviewed to assess whether they are substantively cumulative to the disclosures of the references cited in and provided with the "Information Disclosure Statement by Applicant" filed simultaneously herewith.

Upon request, Applicants will gladly obtain copies of any of these references and forward them to the Examiner for consideration.

Respectfully submitted,

Dated: March 21, 2005

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